## What is claimed is:

1	1.	A met	hod for processing seismic data comprising:
2		(a)	comparing data in a window comprising a portion of a first data segment
3			with data in a corresponding window comprising a portion of a second
4			data segment, wherein said first data segment and said second data
5			segment are selected from a plurality of data segments acquired using a
6			plurality of seismic sweeps; and
7		(b)	changing said data in a window using said data in a corresponding window
8			based on said comparison.
1 * * * * *	2.	The m	ethod of claim 1, wherein changing said data in a window further comprises
2		replac	ing said data in a window using said data in a corresponding window.
1	3.	The m	ethod of claim 1 further comprising stacking said plurality of data segments
2		to form	n a new data segment.
1	4.	The m	ethod of claim 3 further comprising extracting a listen time from said new
2		data se	egment.
1	5.	The m	ethod of claim 1 wherein said plurality of data segments each comprise a
2		record	ed data and a listen time.

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1	6.	The method of claim 1 further comprising phase shifting said second data
2		segment to a phase corresponding to said first data segment.

- The method of claim 1 wherein said second data segment comprises a
   combination of a plurality of said plurality of data segments.
- 1 8. The method of claim 7 wherein said combination comprises combining said
  2 plurality of said plurality of data segments using at least one of: i) an arithmetic
  3 average, ii) a median average, and iii) a weighted average.
  - 9. The method of claim 1 further comprising using RMS values for comparing said data in a window of a first data segment with said data in a window of a second data segment.
- 1 10. The method of claim 1 wherein a listen time data segment is combined with an initial data segment by time series addition.